



**PATENT**

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Kim et al.

**Application No.:** 10/079,107

**Confirmation No.:** 8050

**Filed:** February 20, 2002

**For:** SIMPLE BLOCK SPACE TIME  
TRANSMIT DIVERSITY USING  
MULTIPLE SPREADING CODES

**Group:** 2616

**Examiner:** Thai D. Hoang

**Our File:** I-2-0176.6US

**Date:** January 18, 2007

### INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the cited documents are enclosed. Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.

**Applicant: Kim et al.**  
**Application No.: 10/079,107**

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Kim et al.

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Enclosures



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0176.6US		SERIAL NO. 10/079,107	
				APPLICANT Kim et al.			
				FILING DATE February 20, 2002		GROUP 2616	

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,652,764	07/1997	Kanzaki et al.			
		6,115,406	05/2000	Mesecher et al.			
	*	6,564,645	05/2003	Nakano et al.			
		6,628,702	09/2003	Rowitch et al.			
		6,775,260	08/2004	Dabak et al.			
		7,020,175	03/2006	Frank			
		2002/0090038	07/2002	Dabak et al.			
		2002/0181430	12/2002	Thomas et al.			

  

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	*	1182990	05/1998	CN				
		0957604	11/1999	EP				
		0993129	04/2000	EP				
		0996234	04/2000	EP				
		0105060	01/2000	WO				

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
*		Dabak, A.; Hosur, S.; Negi, R.; Space Time Block Coded Transmit Antenna Diversity Scheme For WCDMA, Wireless Communications and Networking Conference, 1999. WCNC. 1999, IEEE (September 1999), Vol. 3, pp. 1466-1469
*		Li Gang; Zhao Ming; Yao Yan; the Implement of Optimum Demodulator for STTD in WCDMA, Communication Technology Proceedings, 2000. WCC-ICCT 2000. International Conference on, (August 2000), Vol. 2, pp. 1534-1537
*		Kocian, A.; Fleury, B.H.; Iterative Joint Symbol Detection and Channel Estimation for DS/CDMA Via the SAGE Algorithm, Personal, Indoor and Mobile Radio Communications, 2000. PIMRC 2000. The 11th IEEE International Symposium on, IEEE (September 2000), Vol. 2, pp. 1410-1414

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		2003/0021352	01/2003	Benning				
		2003/0067993	04/2003	Viswanathan				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		0024133	04/2000	WO				
		0064073	10/2000	WO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	*	ETSI TS 125 224 V 3.4.0 (2000-09), Universal Mobile Telecommunications System (UMTS); Physical Layer Procedures (TDD) (3GPP TS 25.224 version 3.4.0 Release 1999)						
	*	ETSI TS 125 224 V4.2.0 (2001-09), Universal Mobile Telecommunications System (UMTS); Physical Layer Procedures (TDD) (3GPP TS 25.224 version 4.2.0 Release 4)						

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